

QRS Music Wifi Adapters Guide

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TP-Link TL-WR702N - Configurations for QRS PNOmation II

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The TP-Link AND the PM II unit must be programmed to switch modes.

Stand Alone There is no connection to the Internet. The user wirelessly connects to the TP-Link (SSID = QRSPNO) and PM II delivers control on Google Chrome, or Safari, at the IP Address of 192.168.1.1. PM II and the users Wi-Fi device communicate only with each other.

#3 Light = Green



The TP-Link is programmed to connect to the users home network. PM II is programmed to get an IP Address from the local router. The advantage is that the Wi-Fi control device can be connected to the Internet and still control PM II.

Network

#3 Light = Yellow



The TP-Link will NOT connect to a 5GHz home router.

Apple Products: iPad; iPhone and iTouch

If you're using an Apple device, use these steps in place of those on the following pages.

Set a Static IP on your device

- A Go to Settings then Wi-Fi
- B Connect to the "QRSPNO"
- C Touch the blue circle to the right of "QRSPNO".
- D Select "Static"
- E-G Enter the following:
IP address: 192.168.0.5
Subnet mask: 255.255.255.0
Router: 192.168.0.254
DNS: 192.168.0.254

- H Repeat above and at "E" select "DHCP".



Android Device

Settings / Wireless Networks / Wi-Fi Settings / Connect to "QRSPNO"

Press the more button and select Advanced.

Select "Use Static IP" and enter the same numbers as for Apple products above.

Please update PMII to the latest Driver version before switching modes.

Connect to PMII and click on the QRSPWR icon at upper right of display to see the current version..

Download the current Driver from the QRS website.

http://qrsmusic.com/support_pmii.asp

Copy update to a USB memory drive and plug drive into USB port on piano.

How to configure the TP-Link TL-WR702N from "Stand Alone" Mode to "Network Mode":

On the QRS PNOmation II remote control:

[Windows 7 & Google Chrome Example]

Press the following buttons in sequence...

SHIFT FUNC 9 9 1



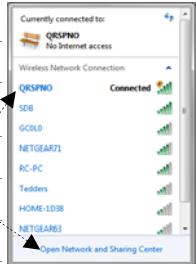
Third light flashes red/green and then yellow.

Set a Static IP on your device

A Left-Click on the network signal strength indicator.



2:04 PM



B Connect to the "QRSPNO"

C After you're connected go back and select "Open Network and Sharing Center"

D Select "Change Adapter Settings"



E Right-Click over your active "Wireless Network Connection" Select "Properties".

F Select "Internet Protocol Version 4 (TCP/IPv4)" Select "Properties".

Select "Use the following IP address" and enter:

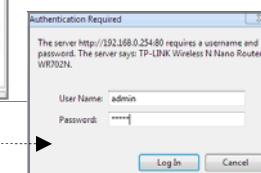
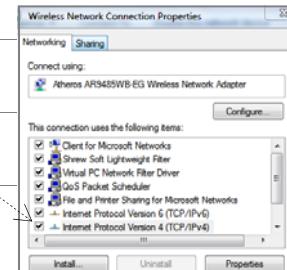
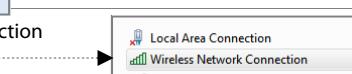
IP address: 192.168.0.5

Subnet mask: 255.255.255.0

G Gateway: 192.168.0.1

Press the OK button, wait a few seconds.

Close all windows.



Open your browser and navigate to 192.168.0.254

Enter "admin" as the User Name and Password.

Press the "Log In" button.



Click "Quick Setup"

Click "Next"

Select "Bridge Mode"

Click "Next"

Click the "Survey" button.

Click "Connect" for the SSID of the network you wish to join

Change the SSID to "QRSPNO Network"

Under "Security Options" choose the type of security (WEP or WPA)

Enter your network password in the "PassWord" box

Click "Next"

If prompted, change the channel setting displayed.

Press "OK" and then do so and click "Next"

Select "Disable Security" (Unless you want to secure the network)

Click "Next"

Click "Reboot"

Click "OK" to confirm.

Restarting

Restart

Configuration Saved Successfully!

Restarting...

Re-do steps A-G above.

At step "G" select "Obtain an IP address automatically"

Press "OK" and close all windows.

Connect to your home network

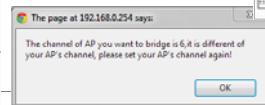
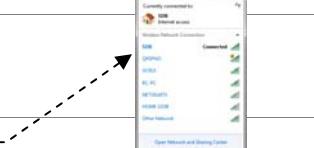
PLx light # 3 should be YELLOW.

Lighted button on the PMII processor should be FLASHING.

The TP-Link is now linked to your home network and ready for "Network Mode" on the PMII.

If you did not hear the IP address press SHIFT and then INFO on the QRS remote control.

Open Safari or Google Chrome and enter the IP address heard from the speaker.



How to Configure the TP-Link TL-WR702N from Network to "Stand Alone" Mode:

[Windows 7 & Google Chrome Example]

Set a Static IP on your device

A Left-Click on the network signal strength indicator.



B Connect to the "QRSPNO Network"

C After you're connected go back and select "Open Network and Sharing Center"

D Select "Change Adapter Settings"



E Right-Click over your active "Wireless Network Connection" Select "Properties".



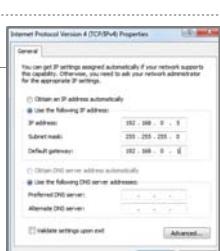
F Select "Internet Protocol Version 4 (TCP/IPv4)"

Select "Properties".

Select "Use the following IP address" and enter:

IP address: 192.168.0.5

Subnet mask: 255.255.255.0



Gateway: 192.168.0.1

Press the OK button, wait a few seconds.

Close all windows.

Open your browser and navigate to 192.168.0.254

Enter "admin" as the User Name and Password.

Press the "Log In" button.

Click "Quick Setup"

Click "Next"

Select "Router Mode"

Click "Next"

Change the SSID to QRSPNO

Set Channel to "Auto"

Under "Security Options:" select "Disable Security"

Click "Next"

Under "WAN Connection Type" select "Dynamic IP"

Click "Next"

Under "MAC Clone" select "No"

Click "Next"

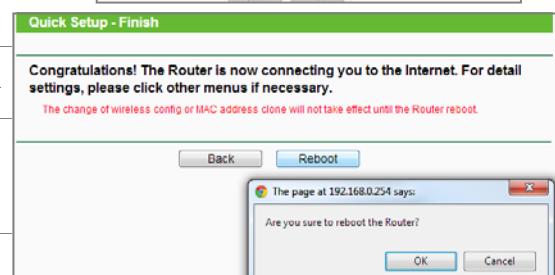
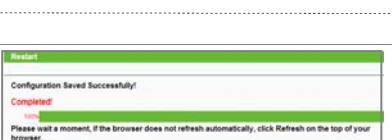
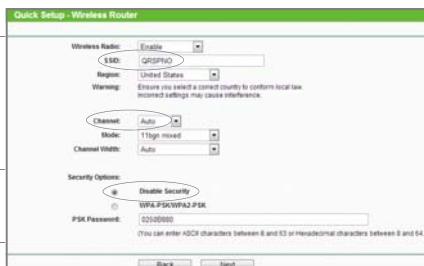
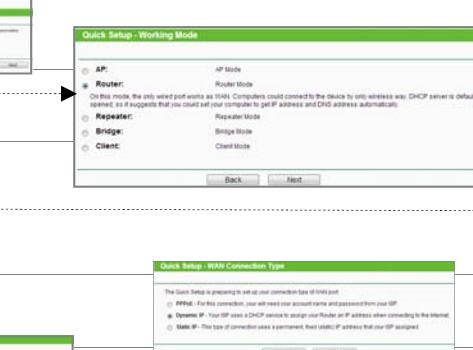
Click "Reboot"

Click "OK"

Restarting

Wait for the TP-Link configuration to finish and restart.

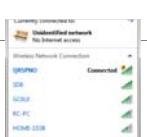
Close browser when 100% complete.



The device is now ready for "Stand-Alone Mode" on the PMII.

Connect to the QRSPNO

Open Safari or Google Chrome and navigate to 192.168.1.1



On the QRS PNOmation II remote control:

Press the following buttons in sequence...

SHIFT FUNC 9 9 0

The third light should be green.

Press SHIFT INFO to confirm the 192.168.1.1 address.



Lighted button #3 on the PMII processor should be SOLID green.



How to Configure the TP-Link TL-WR702N to Stand Alone Mode after a TP-Link Reset:

[Windows 7 & Google Chrome Example]

The TP-Link has been pre-programmed from QRS so it's not necessary to reset it. But, if the SSID name shown on the back of the TP-Link appears in your wireless network connection list, it's been reset.

To reset the WR702N, press and hold the "Reset" button on the side of the TP-Link for 8 seconds, or until the light blinks at least 3 times.

Set a Static IP on your device

A Left-Click on the network signal strength indicator.



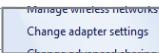
2:04 PM

B Connect to the WiFi SSID listed on the back of the TL-WR702N.

TP-Link_50B880 in our example.

C After you're connected go back and select "Open Network and Sharing Center"

D Select "Change Adapter Settings"



E Right-Click over your active "Wireless Network Connection" Select "Properties".



F Select "Internet Protocol Version 4 (TCP/IPv4)"

Select "Properties".



Select "Use the following IP address" and enter:

IP address: 192.168.0.5

Subnet mask: 255.255.255.0

G Gateway: 192.168.0.1

Press the OK button, wait a few seconds.

Close all windows.

Open Google Chrome and navigate to 192.168.0.254

Enter "admin" as the User Name and Password.

Press the "Log In" button. You may have to wait for the TP-Link below to appear.

Click "Quick Setup"

Click "Next"

Select "Router: Router Mode"

Click "Next"

Change the SSID to QRSPNO

Under "Security Options:" select "Disable Security"

Click "Next"

Under "WAN Connection Type" select "Dynamic IP"

Click "Next"

Under "MAC Clone" select "No"

Click "Next"

Click "Reboot"

Click "OK" to confirm.

The TP-Link will configure and restart.

Connect to the QRSPNO, step "A" above.

Open your browser and navigate to 192.168.0.254

If necessary, enter "admin" as the ID and Password

Under "Advanced Settings" click DHCP

Under DHCP Server" select "Enable"

Press "Save" and "OK" and close Google Chrome.

Re-do steps A-G above.

At step "G" select "Obtain an IP address automatically"

Press "OK"

Close all windows.

On the QRS PNOmation II remote control:

Press the following buttons in sequence...

SHIFT FUNC 9 9 0

The third light should be green.

Press SHIFT INFO to confirm the 192.168.1.1 address.

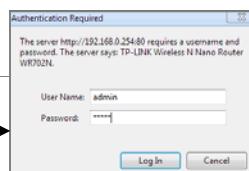


How to Reset the EnGenius ETR9330 for QRS' "Default" Stand Alone Mode:

[Windows 7 & Google Chrome Example]

Press and hold the WPS button for about 10 seconds. Release after the power button flashes a few times. -----

Connect to the EnGenius xxxx Wi-Fi device.



Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1

Enter "admin" as the User Name and Password.

Press the "Log In" button.

Select Wireless

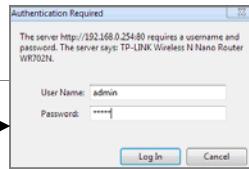
Enter "QRSPNO" for SSID1.

Press the "Apply" button.

Wait for the EnGenius to reload.



Connect to QRSPNO.



Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1

Enter "admin" as the User Name and Password.

Press the "Log In" button.

Select System / LAN.



Select "User-Defined" option from the Secondary DNS drop down box.

[Can't get to this setting using an iPad]

Enter "192.168.1.1" as the Secondary DNS address.

Press the "Apply" button and wait for EnGenius to reload.

Close browser.

On the QRS PNOmation II remote control:

Press the following buttons in sequence...

SHIFT FUNC 9 9 0

The third light should be green.

Press SHIFT INFO to confirm the 192.168.1.1 address.



Verify that you are still connected to QRSPNO

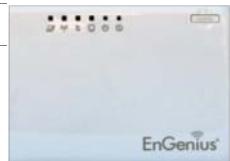
Open your browser to 192.168.1.1 to connect to PMII.

How to Configure the EnGenius ETR9330 for QRS “Network” Mode:

[Windows 7 & Google Chrome Example]

You will need the information about your home network:

Network Name (SSID)
Encryption Type
Key Type
Encryption Key



On the QRS PNOmation II remote control:

Press the following buttons in sequence...

SHIFT FUNC 9 9 1

Third light flashes red/green and then solid yellow.



Connect to QRSPNO.

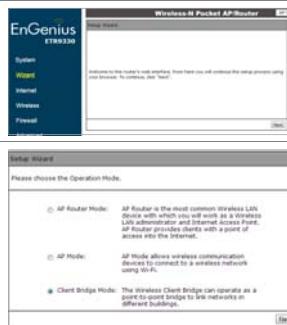


Open Google Chrome, Android browser, or Safari, and navigate to 192.168.0.1

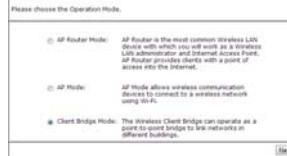
Enter “admin” as the User Name and Password.



Select “Wizard”.
Press the “Next” button.



Select “Client Bridge Mode”.
Press the “Next” button.



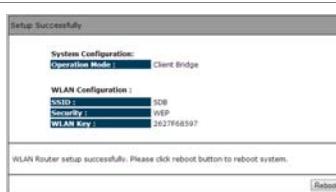
Enter the Network Name (SSID) to match your home Wi-Fi device.
Click on the Encryption drop-down box and select mode to match your home Wi-Fi.



Select/Enter the following to match your home’s Wi-Fi device:
Encryption Type
Key Type
Encryption Key
Press the “Next” button.



Verify “Setup Successful”
Press the “Reboot” button.
Wait for system reboot.
Close browser.



Connect to your home network.



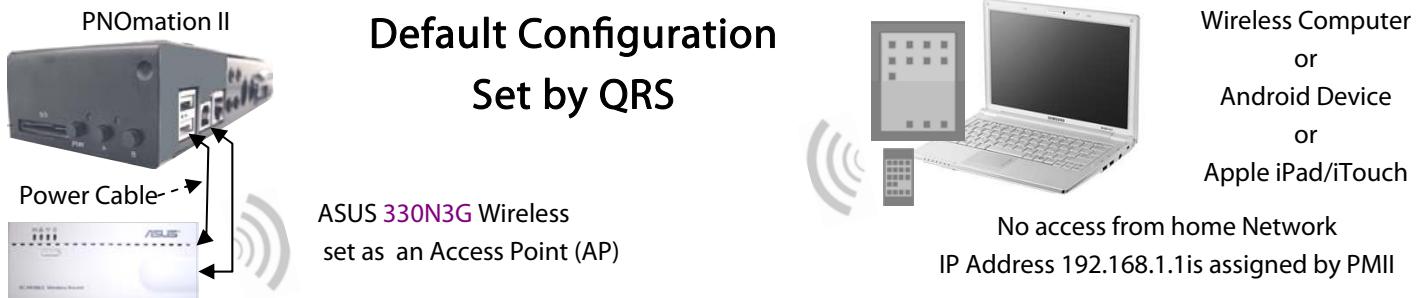
On the QRS PNOmation II remote control:
Press the following buttons in sequence...
SHIFT INFO

Note the IP address heard from the speaker.



Open Safari or Google Chrome and enter the IP address heard from the speaker.

How to Setup the ASUS WL 330N3G Wireless for PMII in Stand-Alone Mode



All systems are shipped in Stand-Alone mode: [1] The PLx Network light is green and [2] you should see "QRSPNO #####" when viewing your local Wi-Fi devices. These instructions are used to reset the PMII and the ASUS wireless to the default configuration.

For best results, go to qrsmusic.com, to download and install the latest PMII driver update. Instructions using Driver V3.66.

If the "Power" light is yellow, tap the PLx button once so that the light turns green.

Point the remote at the button on the PLx box. The "System" light will flash, w/ voice prompts, on remote control commands.

Using a QRS Remote: Press SHIFT then FUNC then 9 9 0.

If you have one of the smaller QRS remotes: press F1/Source then 9 9 0.

The PLx Network light should now be green.



Press and Hold the "Restore" button, on the back of the ASUS, until the "power" light flashes at least 3 times.



DISCONNECT the Ethernet cable from PMII or the ASUS device.

View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.

If the ASUS was "restored" correctly you should see "ASUS" in your available Wi-Fi devices list.

Connect to the "ASUS" from the list and wait until a connection is established.

Apple devices may automatically open the Authentication screen when connection.

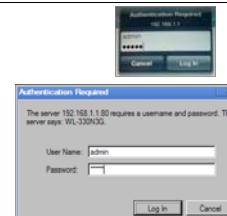
Enter admin in the User Name and Password fields.

If you are using an Android or a Computer and Google Chrome:

In your web browser, enter **192.168.1.1** in the URL address window.

Enter admin in the User Name and Password fields.

Click the Log In button.



Apple



Android

The ASUS programming window opens.

Select Access Point.



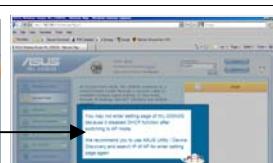
Enter the "QRSPNO" in the Wireless name (SSID) field.

Our example uses QRSPNO Test

Click the APPLY button.

The ASUS will apply, save and restart with the new settings.

Close the browser window when 100% complete.



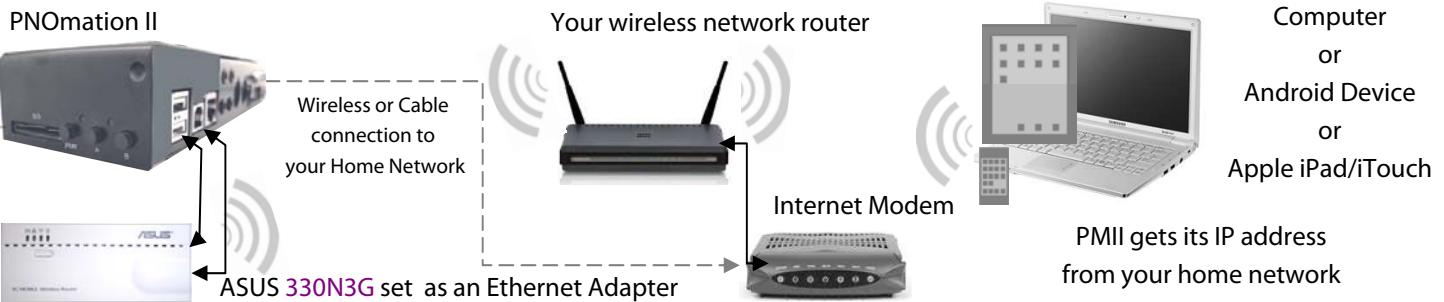
Reconnect the Ethernet cable.

Wait for the voice prompt to report: "Standby" ... "Connected" ... "IP Address is...192.168.1.1". [Press FUNC INFO to repeat IP address]

You can now wirelessly connect to PNOMation II via the ASUS wireless access point.

Enter [192.168.1.1] in your Internet web browser, Google Chrome or Safari..

How To Setup ASUS WL 330N3G Wireless for PMII in Network Mode



DISCONNECT the Ethernet cable from PMII or the ASUS device.

For best results, go to qrsmusic.com. to download and install the latest PMII driver update. Instructions using Driver V3.66.

If the "Power" light is yellow, tap the PLx button once so that the light turns green.

Point the remote at the button on the PLx box. The "System" light will flash, w/ voice prompts, on remote control commands.

Using a QRS Remote: Press SHIFT then FUNC then 9 9 1.

If you have one of the smaller QRS remotes: press F1/Source then 9 9 1.

The PLx Network light should now be yellow.



Press and Hold the "Restore" button, *on the back of the ASUS*, until the "power" light flashes at least 3 times.

View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.

Connect to the "ASUS" from the list and wait until a connection is established.

Apple devices may automatically open the Authentication screen when connection.

Enter admin in the User Name and Password fields.

If you are using an Android or a Computer and Google Chrome:

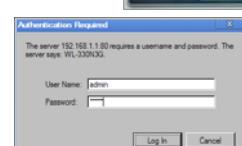
In your web browser, enter 192.168.1.1 in the URL address window.

Enter admin in the User Name and Password fields.

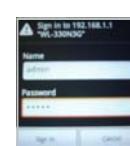
Click Log In (Apple) or click the OK (Android/Chrome) button.



Apple



Google



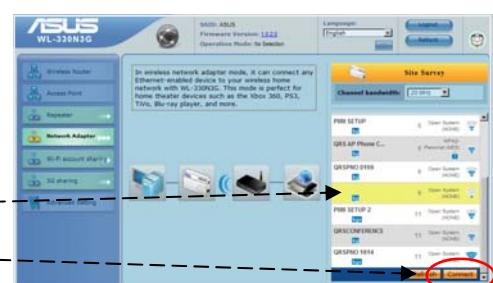
Android

Programming window opens.

Select Network Adapter.



Close Help



Select your local wireless Network device from the Site Survey list.

Click the Connect button.



Enter your Network Key if required and press Connect.

The ASUS will connect, save and restart with the new settings.

Close the browser window when 100% complete.

Connect your wireless device to your home network.

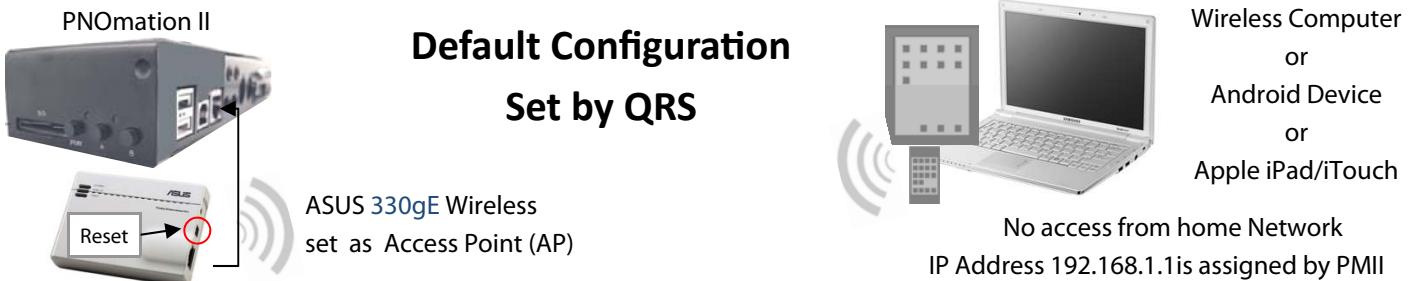
Reconnect the Ethernet cable

Wait for the voice prompt to report: "Network" ... "Connected" ... "IP Address is...192.168.1.xxx".

[FUNC INFO to repeat the IP Address]

Open your web browser and enter the IP address and connect to PNOmation II through your home Network.

How To Setup the ASUS WL 330gE Wireless for PMII in Stand-Alone Mode



All systems are shipped in Stand-Alone mode: [1] The PLx Network light is green and [2] you should see "QRSPNO #####" when viewing your local Wi-Fi devices. These instructions are used to reset the PMII and the ASUS wireless to the default configuration.

Press and hold the Reset button on the edge of the ASUS until the power light flashes at least three times.

For best results, go to qrsmusic.com. to download and install the latest PMII driver update. Instructions using Driver V3.66.

If the "Power" light is yellow, tap the PLx button once so that the light turns green.

Point the remote at the button on the PLx box. The "System" light will flash, w/ voice prompts, on remote control commands.

Using a QRS Remote: Press SHIFT then FUNC then 9 9 0.

If you have one of the smaller QRS remotes: press F1/Source then 9 9 0.

The PLx Network light should now be green.



View the available wireless devices using your iPad, iPhone, Android device or Wireless Computer.

If the ASUS was "reset" correctly you should see "ASUS" in your available Wi-Fi devices list.

Connect to the "ASUS" from the list and wait until a connection is established.

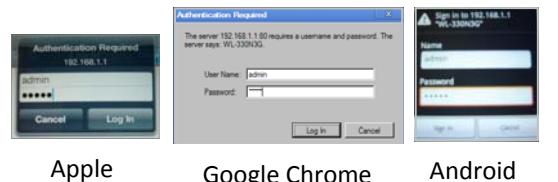
Open Apple Safari, Android Web Browser or Google Chrome on a Computer:

In your web browser, enter **192.168.1.220** in the URL address window.

The "Authentication Required" dialog box will appear.

Enter admin in the User Name and Password fields.

Click Log In.

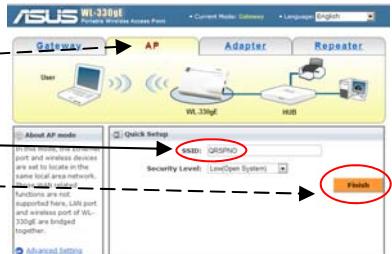


The ASUS programming window opens.

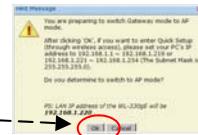
Select the AP Tab

Enter "QRSPNO" for the SSID name.

Click the FINISHED button.



Click OK

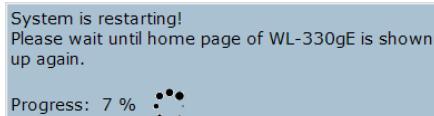


The ASUS will save and restart with the new settings

Wait for the progress to complete, 100%.

At this point you will lose connection to the ASUS...

Close the browser window when the progress is 100% complete.



Wait for the voice prompt to report: "Standby" ... "Connected" ... "IP Address is 192.168.1.1"

[FUNC INFO to repeat the IP Address.]

Connect your wireless device to "QRSPNO".

Open Google Chrome, Safari or your Android browser and enter 92.168.1.1 to connect to PMII.

How To Setup ASUS WL 330gE Wireless for PMII in Network Mode



For best results, go to qrsmusic.com to download and install the latest PMII driver update. Instructions using Driver V3.66.

Press and hold the Reset button on the edge of the ASUS until the power light flashes at least three times.

If the "Power" light is yellow, tap the PLx button once so that the light turns green.

Point the remote at the button on the PLx box. The "System" light will flash, w/ voice prompts, on remote control commands.

Using a QRS Remote: Press **SHIFT** then **FUNC** then **9 9 1**.

If you have one of the smaller QRS remotes: press **F1/Source** then **9 9 1**.

PLx

The PLx Network light should now be yellow.



View the available wireless devices using your iPad, iTouch, Android device or Wireless Computer.

Connect to the "ASUS" from the list and wait until a connection is established.

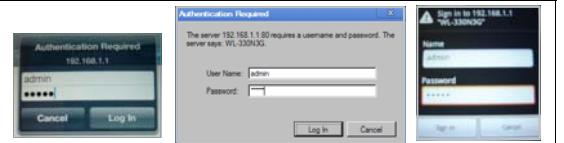
Open Apple Safari, Android Web Browser or Google Chrome on a Computer:

In your web browser, enter **192.168.1.220** in the URL address window.

The "Authentication Required" dialog box will appear.

Enter admin in the User Name and Password fields.

Click Log In.



The ASUS programming window opens.

Click on the Adapter tab.

In the Available Network List, click on the radio button for your local network.

Our example shows ASUS QRS AP.

Click the Connect button.

You may need to provide a password to your network.

Use the "Add" button if your local network is hidden.



Enter the password of your home router if required.



This yellow message box will appear.

Click OK.

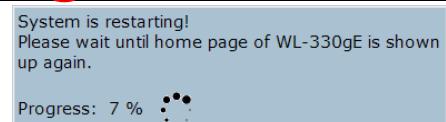


The ASUS will save and restart with the new settings.

Wait for the Progress to complete.

At this point you will lose connection to the ASUS...

Close the browser window when the progress is 100% complete.



Wait for the voice prompt to report the new IP Address from your network: "Network" ... "Connected" ... "IP Address xxx".

[FUNC INFO to repeat the IP Address]

Connect your wireless device to home router.

Open Google Chrome, Safari or your Android browser and enter IP Address that was reported to connect to PMII.

Setup the TRENDnet Wireless for PMII in Stand-Alone Mode

Default Configuration Set by QRS



Wireless:
Computer
or
Smart Phone
or
Tablet PC

No internet access

IP Address 192.168.1.1 is assigned by PMII

TRENDnet TEW-654TR

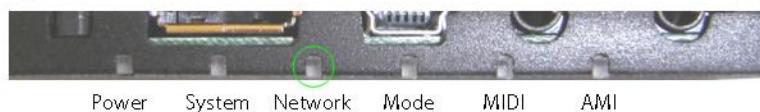
Disconnect the Ethernet cable from the back of the TRENDnet TEW654TR router.

Connect the TRENDnet to power.

Set the selector switch on the back of the TRENDnet router to AP (Access Point) mode.

Use the QRS Remote Control, aimed at the PLx box, and press SOURCE then PROGRAM then 9 9 0.

Wait for the Network light on the PLx box to turn Green. The PMII is not in Stand-Alone mode.



Re-connect the Ethernet cable to the TRENDnet.

Enter 192.168.1.220 in the address window of your computer's web browser

If unsuccessful disconnect and then reconnect power to ASUS

The "Authentication Required" dialog box should appear.

Enter admin in the User Name field and admin in the Password field.

Click the OKbutton.

The ASUS programming window opens.

Click on the AP tab.

Enter the SSID name that you want to see when you connect to the AP

from your wireless device. Our example uses ASUSQRS AP

Click the FINISHED button.

Click OK

The ASUS will save and restart with the new settings

Close the browser window when this blue box closes.

Disconnect the Ethernet cable from your computer and plug it into the PNOMation II Ethernet port.

Disconnect the ASUS from power and then reconnect.

You can now wirelessly connect to PNOMation II via the ASUS wireless access point..

Enter QRSPNQ [192.168.1.1/qrs] in your Internet web browser.



QRS PNOMation II - How To...

Flip the switch on the back of the TRENDnet to AP
 Log In to the TRENDnet TEW-654TR Wireless Router
 192.168.1.1
 User Name = admin
 Password = admin



Verify that the Firmware Version is 1.10.12

If the version is not 1.10.12 or higher call QRS Technical Support

Select: Setup / Wireless

Change the Wireless Network Name to **QRSPNO #**

This is the name that will appear when you view the available wireless networks. It can be any name that you wish.

Click the "Apply" button and wait...

Click the "Back" button when the data is successfully saved..

Select: Setup / WPS "Wi-Fi Protection Settings"

Click to uncheck 'Enable' to disable the protection

Click the "Apply" button and wait...

Click the "Back" button to save settings.

Select: Setup / LAN

Select "Static IP" in the "My LAN Connection is: drop-down box.

Change the Device Name to **QRSPNOAP**

Change the IP Address to **192.168.1.220**

Change the Gateway to **192.168.1.1**

Change the Primary DNS to **192.168.1.1**

Click the "Apply" button and wait...

Click the "Back" button to save settings.

This will disconnect you from the Wi-Fi device.

Use 192.168.1.220 if you need to log into the TRENDnet setup again.

Reconnect the TrendNet to PMII

You can now log on to PMII 192.168.1.1